



picture: office de tourisme de Lausanne

8th International Symposium on NBIA

October 13-15, 2022

Website: [>> more information <<](#)

Lausanne, Switzerland
Mövenpick Hotel Lausanne

Program committee:

Susan Hayflick, Oregon Health & Science University, Portland (US) | Thomas Klopstock, LMU Klinikum, Munich (DE) | Markus Nielbock, Hoffnungsbaum e.V., Würselen (DE)
Agnès Rötig, Institut Imagine, Paris (FR) | Valeria Tiranti, IRCCS Istituto Neurologico Carlo Besta, Milan (IT)

Local organizing committee:

Patrick Herren, Fatemeh Mollet, Esther Schärer, Olav Zilian, NBIA Suisse (patient advocacy association), Lausanne (CH)

SCHEDULE

THURSDAY, October 13, 2022

01:00 PM Registration

02:00 PM **Welcome Address**
Fatemeh Mollet, NBIA Suisse, Lausanne, Switzerland
Patricia Wood, NBIA Disorders Association, El Cajon, USA
Thomas Klopstock, LMU Klinikum, Munich, Germany

SESSION 1 NBIA general Chair: Thomas Klopstock

02:15 PM **Key note lecture: molecular mechanisms of iron-sulfur protein biogenesis and its link to iron metabolism**
Roland Lill, Marburg, Germany

03:00 PM **Epidemiology of NBIA disorders**
Hana Kolářová, Prague, Czech Republic

03:20 PM **Unreported NBIA in known disease genes**
Agnès Rötig, Paris, France

03:40 PM **Iron chelation in neurodegenerative disorders – state of the art and what it means for NBIA**
David Devos, Lille, France

04:00 PM Break

SESSION 2		PKAN & CoPAN	Chair: Valeria Tiranti
04:30 PM	Massive iron accumulation in PKAN-derived neurons and astrocytes: light on the human pathological phenotype	Sonia Levi, Milan, Italy	
04:50 PM	Zebrafish models with inborn errors of CoA biosynthesis	Dario Finazzi, Brescia, Italy	
05:10 PM	Mitochondrial and Mitophagy in PKAN: insights from a <i>Drosophila</i> model	Zhihao Wu, Dallas, USA	
05:30 PM	Yeast as a model for functional analysis of mutations associated with PKAN disorder and for the identification of therapeutic molecules	Paola Goffrini, Parma, Italy	
05:50 PM	Modelling CoPAN in mice	Ivano Di Meo, Milan, Italy	
06:10 PM	Combination of a specific diet and the microbiome compensates lethality of a PKAN animal model	Ody Sibon, Groningen, the Netherlands	

06:30 PM End of the day

FRIDAY, October 14, 2022

08:30 AM	Update on the CoA-Z clinical trial	Penelope Hogarth, Portland, USA
08:50 AM	Optimization and efficacy of the clinical compound BBP-671 in a PKAN mouse model	Suzanne Jackowski, Memphis, USA
09:10 AM	Roundtable discussion on urgent needs and next steps in PKAN/CoPAN	

10:10 AM Break

SESSION 3		MPAN	Chair: Agnès Rötig
10:40 AM	Title	N.N.	
11:00 AM	Expanding our understanding of <i>C19orf12</i> function to develop therapeutic approaches for MPAN	Arcangela Iuso, Munich, Germany	
11:20 AM	Modelling <i>c19orf12</i> deficiency in zebrafish	Barbara Gnutti, Brescia, Italy	
11:40 AM	Roundtable discussion on urgent needs and next steps in MPAN		

12:30 PM Break

SESSION 4		BPAN	Chair: Susan Hayflick
01:30 PM	Is it all about autophagy? - WDR45's role in autophagy and beyond	Mario Mauthe, Groningen, the Netherlands	
01:50 PM	Towards an understanding of the molecular function of WDR45/WIPI4 in autophagy and BPAN	Tassula Proikas-Cezanne, Tübingen, Germany	
02:10 PM	Vulnerability of midbrain dopaminergic neurons in BPAN	Lena Burbulla, Munich, Germany	
02:30 PM	Characterization of a whole-body <i>Wdr45</i> knock-out, a mouse model for BPAN	Arcangela Iuso, Munich, Germany	
02:50 PM	Roundtable discussion on urgent needs and next steps in BPAN		

03:40 PM Flash talks - selected poster presentations

03:50 PM Poster Session & Coffee Break

05:15 PM End of the day

SATURDAY, October 15, 2022

SESSION 5 PLAN/INAD & FAHN

Chair: Ody Sibon

09:00 AM **Towards precision therapies for NBIA**
Manju Kurian, London, United Kingdom

09:20 AM **PLA2G6-associated neurodegeneration – update**
Manju Kurian, London, United Kingdom

09:40 AM **Developing gene therapy for PLAN and moving towards clinical trials**
Ahad Rahim, London, United Kingdom

10:00 AM **Moving forward with FAHN research**
Sunita Venkateswaran, Ottawa, Canada

10:20 AM **Roundtable discussion on urgent needs and next steps in PLAN/INAD & FAHN**

11:00 AM Closing remarks
Thomas Klopstock, LMU Klinikum, Munich, Germany

11:15 AM End of the conference

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